Docket No. 22-0123

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: David A. Wright, Michael W. Mann, Aaron D. Falk, and
Rhon L. Williams

Application No.: 09/782,807   Group No.: Unassigned
Filed: 02/14/2001   Examiner: Unassigned
For: ENCAPSULATION METHOD AND APPARATUS FOR COMMUNICATING
FIXED-LENGTH DATA PACKETS THROUGH AN INTERMEDIATE NETWORK

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Notice to File Corrected Application Papers originally

mailed on April 6, 2001, please amend the above-identified application as

follows:

IN THE SPECIFICATION:

Please replace the Abstract with a paragraph that reads as follows:

A method and apparatus for communicating fixed-length data packets

through an intermediate computer network. The method comprises receiving a

data packet characterized by a fixed-length packet format, and constructing a

remnant packet characterized by the fixed-length packet format, which includes

inserting at least a portion of the data packet routing information in the data field

of the remnant packet. The method also comprises communicating the remnant

packet, receiving the remnant packet and constructing a reconstructed data

packet, which includes inserting data packet routing information obtained from the remnant packet, in the address field of the reconstructed packet. The apparatus comprises a communication network node comprising a receiver, transmitter, computer memory and processor for performing the foregoing method steps.
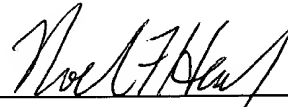
REMARKS

In response to the Notice to File Corrected Application Papers, Applicant has amended the Abstract to be less than 150 words in length.

Respectfully submitted,

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MARKED-UP VERSION TO SHOW CHANGES MADE

The Abstract has been amended as follows:

A method (400, 700) and apparatus (500, 700) for communicating fixed-length data packets through an intermediate computer network. The method (400) comprises receiving a data packet characterized by a fixed-length packet format. The method (400) comprisesand constructing (435) a remnant packet characterized by the fixed-length packet format, which includes inserting (455) at least a portion of the data packet routing information in the data field of the remnant packet. The method (400, 700) also comprises communicating (470, 710) the remnant packet. The method (700) comprises receiving (710) the remnant packet and constructing (755) a reconstructed data packet, which includes inserting (765) data packet routing information obtained from the remnant packet, in the address field of the reconstructed packet. The apparatus (500, 800) comprises a communication network node (500) comprising a receiver (510), transmitter (520), computer memory (540) and processor (530) for performing the foregoing method steps. The receiver (510) receives data packets characterized by the fixed-length packet format. The processor (530) receives a data packet from the receiver and constructs a remnant packet characterized by the fixed-length packet format in which the data field includes data packet routing information. The processor (530) sends the remnant packet through the intermediate network via the transmitter (520). The apparatus (500,

~~800) also comprises a second communication network node (800) comprising a~~

~~receiver (810), transmitter (820), computer memory (840) and processor (830).~~

~~The receiver (810) receives a remnant packet, and the processor (830)~~

~~constructs a reconstructed data packet characterized by the fixed-length packet~~

~~format, where the address field of the reconstructed data packet includes data~~

~~packet routing information obtained from the data field of the remnant packet.~~